First and Final Bill

DOR => 21.12.18

M.A.R. 57 (Rule 116)

Measurement Book

190116

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....M. Lakkappa.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the work: Modified estimate for improvements to Ashwatha katte near Carabridge School Mallasandra ward no: 13 Shettihalli Sub division.						
	Estimate cost:						
	JOB code NO:	013-18-000072					
	AS NO: →	BBMP/EE/PD/AS/37/2017-18					
	TS NO: →	BBMP/CE/TS/07/2018-19 dated 26-12-2018					
	W.O. NO: →	BBMP/EE/PD/W.O/0037/2017-18					

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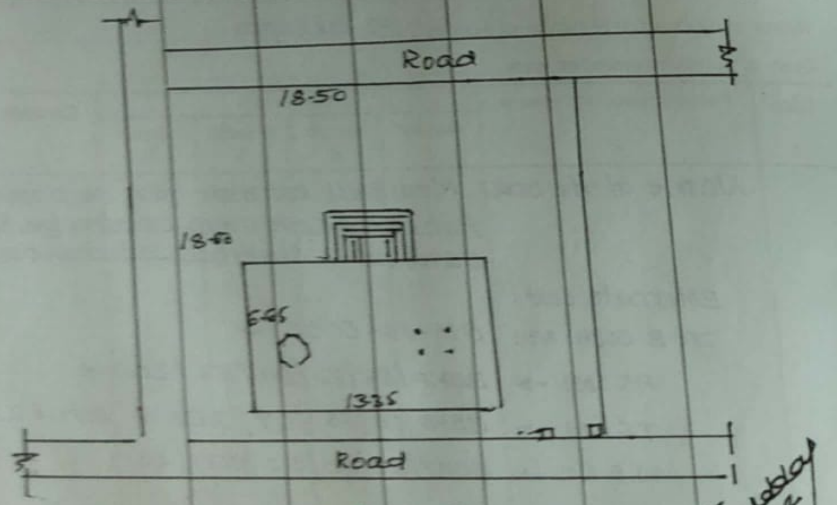
MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

M.A.R. 57 (Rule 116)

Measurement Book

190117

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
1)	Earth work excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.50 m and above upto 25% in hard soil not exceeding 1.50 m in depth etc complete as per specification.							
	BF for measurement Recorded in this MB vide page no: 190173							
	ie					129.33 M^3		
a)	Oatty upto 125%					127.48 M^3 @ Rate Rs	400.00/M^3	Rs 50990=00
b)	Oatty Above 125%					1.85 M^3 @ Rate Rs	4015.0/M^3	Rs 7430=75

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Providing and laying place cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 20mm and d/s graded granite metal machine mixed concrete laid in layers not exceeding 15cms thick well compacted etc complete as per specification.						
	BF Premeasurement Recorded in this MB vide page No: 190173						
	i.e 38.59 m^3						
	Addl up to 125% 38.59 m^3 @ Rate @ 5400/-					R/	208368=45
	3) Providing and laying in position Reinforced cement concrete of design mix M-25 with OPC cement @ 320 kgs with 20 mm and d/s graded granite metal machine mixed concrete laid in layers not exceeding 150mm thick well compacted etc complete as per Specification						

M.A.R. 57 (Rule 116)

Measurement Book

190118

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Ashwatha katte						
	North Side	1	5.25	1.20	0.40	2.52	
	South Side	1	5.25	1.20	0.40	2.52	
	East Side	1	14.75	1.20	0.40	7.08	
	West Side	1	14.75	1.20	0.40	7.08	
	For Side walls						
	North side	1	6.65	0.15	1.20	1.20	
	South Side	1	6.65	0.15	1.20	1.20	
	East Side	1	13.35	0.15	1.20	2.40	
	West Side	1	13.35	0.15	1.20	2.40	
						30.81 m^3	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BF Qtty	30.81 m^3 @ Rate Rs 6700.00/-				Rs 206452=13	206427.
	4) Filling available excavated earth (excluding rock) in side of foundation up to plinth in layers not exceeding 20cms in depth compacting each deposited layer by rammers after watering etc complete as per specification.						
	BF per measurement Recorded in this MB						
	Vide page No. 190114						
	i.e 180.53 m^3						
	Qtty up to 125%	63.74 m^3 @ Rate Rs 130.00/m^3				Rs 8285=88	
	Qtty Above 125%	116.79 m^3 @ Rate Rs 135.76/m^3				Rs 15855=75	
	Providing and constructing granite/Rock/Local Size Stone masonry in foundation 25th Cement mortar 1:6 and stones hammer dressed in courses of less than 20cms high bond stones at 2m apart						

M.A.R. 57 (Rule 116)

Measurement Book

190119

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in each courses including cost of materials, labour, curing etc complete as per specification.						
	Ashwathakatte steps						
	step-1	1	5.00	3.30	0.20	3.30	
	step-2	1	4.22	2.90	0.20	2.45	
	step-3	1	3.45	2.50	0.20	1.73	
	step 4	1	2.62	2.05	0.20	1.07	
	step-5	1	1.30	1.68	0.20	0.44	
						8.98 m^3	
	Qtty up to 125%	1.58 m^3 @ Rate Rs 4300/-				Rs 6772=50	
	Qtty Above 125%	7.41 m^3 @ Rate Rs 4315.45/-				Rs 31,971=74	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
6)	Providing and removing centering and shuttering strutting propping etc and removal of form work for foundation of buildings pots etc complete as per specification. BF Measurement recorded in this MB Vide page No 190174 ie 128.00 m² Qty upto 125M 128.00 m² @ Rate Rs 240.00/-					Rs 30,720=00	
7)	Providing MS steel reinforcement for RCC work including straightening, cutting, bending, hooking and placing in position lapping/welding wherever required tying with binding wire and anything to the contrary wastage etc complete BF Measurement recorded in this MB Vide page No 190175 ie 2.45 Tonn @ Rate Rs 65000/-					Rs 159900=00	

190120

M.A.R. 57 (Rule 116)

Measurement Book No. C09

Serial No.

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
8)	Construction of embankment with approved material gravel or murram with all lift and lead transporting to sites spreading grading to required slopes and gradient etc complete as per specification BF Measurement recorded in this MB Vide page No ie 98.66 m³ Qty up to 125M 98.66 m³ @ Rate Rs 320/m³					Rs 31,570=56	
9)	Providing and laying flooring using pre polished water cut gang saw 18mm thick granite laid with						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	25th a bed of 20mm thick 1:4 cem sand jointed 25th neat cement slurry mixed with pigment to match the shade of granite slabs etc complete as per Specification						
	For floor =	1	6.65	13.35	=	88.78	
	For steps =	1	1.80	1.60	=	2.80	
		2	1.65	0.40	=	1.32	
		2	2.10	0.40	=	1.68	
	Steps-1 road =	2	2.50	0.40	=	2.00	
		2	2.90	0.40	=	2.32	
		2	1.65	0.40	=	1.32	
		1	2.62	0.40	=	1.05	
		1	3.45	0.40	=	1.38	
		1	4.22	0.40	=	1.69	
		1	5.00	0.40	=	2.00	
	Risers	2	2.65	0.15	=	0.62	
		2	2.50	0.15	=	0.75	

M.A.R. 57 (Rule 116)

Measurement Book

No. 5/09

190121

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	2.30	0.15	=	0.87	
		2	3.30	0.15	=	0.99	
		1	2.62	0.15	=	0.39	
		1	3.45	0.15	=	0.52	
		1	4.22	0.15	=	0.63	
		1	5.00	0.15	=	0.75	
	For Balwatha Side walls	1	13.35	1.00	=	13.35	
		2	6.65	1.00	=	13.30	
		2	5.30	1.60	=	16.60	
						147.36 m²	4167
	Add 25% to 125%	147.36 m² @ Rate @ 2830.00				= A= 416974	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Providing and laying 20mm thick stone slab with cut Lakhadi chhanni for chabutra over 1:4 preparation etc complete.						
11)	Providing and fixing 304 grade stainless steel hand rails of 14 gauge pipes for parapet slab & core made out of stainless steel hollow pipe vertical supports @ 1.60 mtrs c/c fixed to the concrete slab for vehicles @ 1.60 mtrs c/c fixed to the parapet slab by drilling with bolts and nuts and welding to the base plate 100mm square for fixing of vertical pipes & rails etc complete as per specification						
	North Side	1	5.75	1.00	=	5.75	
		2	0.45	1.00	=	0.90	
	East Side	1	5.30	1.00	=	5.30	
		1	5.40	1.00	=	5.40	
		1	0.45	1.00	=	0.45	

M.A.R. 57 (Rule 116)

190123

Measurement Book No. 6/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	South Side	1	5.30	1.00	=	5.30	
		1	0.45	1.00	=	0.45	
	West Side	1	12.50	1.00	=	12.50	
						36.55 m²	
	Upto 12.5%	36.55 m² @ Rate Rs 6200/-				Rs	226610-00
12)	Providing full passing 20mm thick grade slab using superplasticizer admixture including conveyance of material etc complete as per specification.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Providing and laying heavy duty cobble stones 60mm thick interlock pavers using cement and coarse sand for manufacture of block etc complete						
	EJRL						
E1)	Providing and constructing Mantapa using Sadarahalli granite stones of size of 0.40x0.40x 2.30 measurement for 4 nos of pillers and 4 nos of beams of size 0.20x0.30x 2.75 m and 25th granite slab roof of 4.30x3.00x0.15m thick including cost of all covering work dressing polishing and finishing totalling at work site etc complete	1 No @ Rate				Rs 4,37,441=07	Rs 4,37,441=00
						Total Rs	18,32,652=69

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.

M.A.R. 57 (Rule 116)

190123

Measurement Book No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate 1. Certify that the contractor completed the work satisfactorily 2. Certify that there is no departmental issues to the contractor 3. Certify that the contractor cleared all debris @ work spot.						

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

21.12.2018

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Level Measurement Book
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Gross - 1232,652/-	
						IT - 12326/-	
						LWC - 12324/-	
						CBF - 1852/-	
						CGST - 1643/-	
						SGST - 1643/-	
						Fine - 2655/-	
						Ded - 9265	
						Net 1223387/-	

Audited and admitted for Rs 1232,652/-

Passed by Cheque for Rs 1223387/-

(Rupees Lakh, Twenty Thousand Four Hundred & Eighty Seven Only) 9265/25

by accordances

Assistant Engineer

S.S.M.P Dasarahalli (V) Works